

Design of 12.00—20 20PR Off-The-Road Tire

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Abstract: The design of 12.00—20 20PR off-the-road tire was described. In the structure design, the following parameters were taken: overall diameter 1 156 mm, cross-sectional width 274 mm, width of running surface 246.5 mm, height of running surface 21.5 mm, bead diameter at rim seat 509 mm, bead width at rim seat 216 mm, maximum width position of cross-section (H_1/H_2) 0.875, cross-country tread pattern, pattern depth 22.5 mm, block/total ratio 63.3%, and total number of pitches 28. In the construction design, the tread was composed of tread compound, shoulder compound and sidewall compound. 2 layers of 930dtex/2V₃ dipped nylon 6 cord were used in breaker ply, 14 layers of 1400dtex/3 dipped nylon 6 cord were for carcass ply ($8V_1+6V_2$), and $\Phi 1.0$ mm copper-plated tempered bead wire was applied in the tire bead. The tire was built using LCX-3 building machine and cured using type B press. It was confirmed by the tests of the finished tire that the peripheral dimension and physical properties met the requirements of design and national standard.

Key words: off-the-road tire; structure design; construction design

Vogue 推出 SUV、跨界车和轻型载重汽车用轮胎系列

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美国《现代轮胎经销商》(www.moderntire-dealer.com)2015年4月17日报道:

Vogue 轮胎和橡胶公司推出用于 SUV、跨界车(Crossover)和轻型载重汽车的 Signature V Black SCT 轮胎(见图1)系列。



图1 Signature V Black SCT 轮胎

公司称,最新的 Signature V Black SCT 轮胎系列采用先进的白炭黑配方,牵引性能优异,反应迅速,其宽胎肩设计为轮胎带来了卓越的操控性能。

在胎面设计方面,增加了宽周向花纹沟,提高

了轮胎的全天候牵引性能和潮湿天气下的操控性能。全新设计的胎面花纹采用独特的倾斜原理,降低了轮胎使用寿命期内的噪声。

此外,SCT 轮胎系列延续了 Vogue 公司 Signature Whisper Tuning 和 VogueTech Comfort Ride 的工程设计。该轮胎依托 Vogue 公司 Century of Craftsmanship Pledge 保障,提供 9.65 万 km(6 万英里)及 30 天“购买和试用”担保。

借于“Signature V Black SCT 轮胎系列的推出,公司可以与广大支持者分享有关工程水平卓越、令人激情燃烧的产品的知识和热忱,同时也为广阔的消费群体提供了体验高品质轮胎的机会。”Vogue 公司董事长 Greg Hathcock 称。

该轮胎主要装配于雷克萨斯 RX450、奥迪 Q5、凯迪拉克 SRX、英菲尼迪 QX60、路虎揽胜极光、凯迪拉克凯雷德、福特 F-150、GMC Sierra、雪弗莱 Silverado、丰田坦途、GMC Yukon Denali、福特 Expedition、雪弗莱 Tahoe 和 GMC Yukon。

Signature V Black SCT 轮胎系列规格为 235/55R18, 235/55R20, 235/60R18, 275/55R20, 235/65R18, 285/45R22 和 235/55R19。

(马 晓摘译 许炳才校)